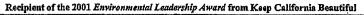


California Regional Water Quality Control Board

Los Angeles Region



Arnold Schwarzenegger

Governor

Linda S. Adams
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.waterboards.ca.goy/losangcles

March 4, 2008

Mr. LeRoy Jackson City Manager City of Torrance 3031 Torrance Boulevard Torrance, ÇA 90503-5059 VIA CERTIFIED MAIL

NOTICE OF VIOLATION (ORDER NO. 01-182 AS AMENDED BY ORDER NO. R4-2006-0074 AND ORDER NO. R4-2007-0042, NPDES PERMIT NO. CAS004001, WDID 4B190215001)

Dear Mr. Jackson:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) is the state regulatory agency responsible for protecting water quality in Los Angeles and Ventura Counties. To accomplish this, the Regional Board issues permits under the National Pollutant Discharge Elimination System (NPDES) as authorized by the federal Clean Water Act. On December 13, 2001, this Regional Board adopted the Los Angeles County Municipal Separate Storm Sewer System Permit, NPDES Permit No. CAS004001, Order No. 01-182 (LA MS4 Permit), under which the City of Torrance is a Permittee.

BACKGROUND

The LA MS4 Permit includes Discharge Prohibitions, Receiving Water Limitations, and a Monitoring and Reporting Program, among other requirements. Under Part 1, Discharge Prohibitions, the LA MS4 Permit requires that the Permittees "effectively prohibit non-storm water discharges into the MS4 [municipal separate storm sewer system] and watercourses," except under limited circumstances, as specified in Part 1. Under Part 2, Receiving Water Limitations, the LA MS4 Permit prohibits "discharges from the MS4 that cause or contribute to the violation of Water Quality Standards or water quality objectives."

The LA MS4 Permit was subsequently amended on September 14, 2006 by Order No. R4-2006-0074 and on August 9, 2007 by Order No. R4-2007-0042 to implement the summer dry weather waste load allocations established in the Santa Monica Bay Beaches Bacteria Dry Weather Total Maximum Daily Load (TMDL) and the Marina del Rey Harbor Mothers' Beach and Back Basins Bacteria TMDL. The summer dry weather requirements were incorporated in the LA MS4 Permit as specific Receiving Water Limitations (RWLs) for fecal indicator bacteria in Parts 2.5 and 2.6, and a supporting specific prohibition on discharges from the MS4 that cause or contribute to exceedances of the bacteria RWLs.

California Environmental Protection Agency

The Permittees collectively discharge urban runoff and storm water from the MS4 to the Santa Monica Bay, a navigable water of the United States, under the provisions and requirements of the LA MS4 Permit. These discharges, as demonstrated via shoreline water quality monitoring, contain total coliform, fecal coliform, enterococcus and other pollutants, which degrade water quality and impact beneficial uses of the receiving waters at beaches along Santa Monica Bay. These bacterial indicators are defined as wastes under the California Water Code (CWC § 13000 et seq.).

VIOLATIONS OF RECEIVING WATER LIMITATIONS

The City of Torrance is hereby notified that technical staff has concluded that Torrance is in violation of waste discharge requirements established in Board Order No. 01-182 as amended by Order No. R4-2006-0074 and Order No. R4-2007-0042, and has therefore violated CWC § 13376, and is subject to liability pursuant to CWC § 13385.

The data submitted in the Permittees' shoreline monitoring reports for the summer dry weather compliance periods, beginning on September 14, 2006 through October 31, 2006 and April 1, 2007 through October 31, 2007, reveal violations of the RWLs set forth in Part 2.5 of Order No. 01-182 as amended by Order No. R4-2006-0074 and Order No. R4-2007-0042. These violations occurred at two shoreline monitoring sites located along Santa Monica Bay beaches to which the City of Torrance discharges via the MS4, on 7 days, which included 11 instances where the bacteria water quality objectives set to protect water contact recreation were exceeded. These violations are summarized in Table 1, detailed in the attachments, and incorporated herein by reference. The City of Torrance is jointly responsible for violations at these monitoring sites along with the other Permittees with land area within the watersheds draining to these sites.

CIVIL LIABILITY

Pursuant to CWC § 13385, the City of Torrance is subject to penalties of up to \$10,000 for each day in which a violation of RWLs occurs. These civil liabilities may be assessed by the Regional Board beginning with the date that the violations first occurred, and without further warning. The Regional Board may also request that the State Attorney General seek judicially imposed civil liabilities of up to \$25,000 for each day in which a violation occurs, or injunctive relief, pursuant to CWC §§ 13385 and 13386. The City of Torrance may also be subject to penalties pursuant to other sections, and other forms of enforcement proceedings, in addition to those described above.

To ensure that the causes of the violations are identified and abated, enclosed herewith, please find an Order directing the City of Torrance to submit a variety of reports pursuant to CWC § 13383. Specifically, these reports shall provide an evaluation and documentation of the causes of these violations, remedial actions to date, and the City's plans for additional corrective and preventative actions to bring discharges from the MS4 into prompt compliance with the bacteria RWLs applicable to the Santa Monica Bay.

California Environmental Protection Agency

If you have any questions regarding this matter, please contact me at (213) 576-6605, or alternatively, your staff may contact Mr. Carlos Urrunaga at (213) 620-2083.

Sincerely,

Tracy J. Egoscue
Executive Officer

Enclosures:

Table 1

Attachments 37-38

Order Pursuant to California Water Code Section 13383, dated March 4, 2008

cc:

Mr. John Dettle, Project Manager, Torrance

Mr. Michael Levy, Office of Chief Counsel, State Water Resources Control Board Mr. Bruce Fujimoto, Storm Water Section, State Water Resources Control Board

Mr. Eugene Bromley, U.S. EPA, Region 9

TABLE 1

TORRANCE

SUMMARY OF VIOLATIONS OF BACTERIA

RECEIVING WATER LIMITATIONS FOR SUMMER DRY WEATHER ORDER NO. 01-182 AS AMENDED BY ORDERS R4-2006-0074 AND R4-2007-0042

		Single Sar	nple RWL Violat	tions	30-day	Geometri Violatio		Total Davs		
Site ID	Total Coliform	Fecal Coliform	Enterococcus	Total Coliform (Fecal:Total Coliform Ratio > 0.1)	Total Fecal Coliform Coliform		Enterococcus	Total RWL Violations by Site	of Violations by Site	
SMB 6-01	0	2	4	2	0	0	0	8	4	
SMB 6-05	1	1	0	1	0	0	0	3	3	
Totals	1	3	4	3	0	0	0	11	7	

ATTACHMENTS

VIOLATIONS OF BACTERIA RECEIVING WATER LIMITATIONS BY SHORELINE MONITORING SITE

VIOLATIONS OF RECEIVING WATER LIMITATIONS FOR SUMMER DRY WEATHER PERIODS SEPTEMBER 14, 2006 - OCTOBER 31, 2006 AND APRIL 1, 2007 - OCTOBER 31, 2007 ORDER 01-182 AS AMENDED BY R4-2006-0074 AND R4-2007-0042 SITE ID SMB 6-01, HERONDO SD

	Si	ngle Sample Re	suit (MPN/100 r	30-day Geometric Mean Result* (MPN/100 ml)					
Date of Violation(s)	Total Coliform Fecal Coliforn		Total Coliform (Fecal:Total Coliform Ratio > 0.1)		Total Coliform	Fecal Coliform	Enterococcus		
Basin Plan Limit	400007	400	104	1000	1000 %	200	35,45		
10/31/2006			140						
6/4/2007			146						
10/25/2007		1700	1400	2700					
10/26/2007		1800	480	2600					
Total Violations	1 0 1 2		4	2	0	0	0		

Notes: Site ID refers to sites identified in the "Santa Monica Bay Beaches Bacterial TMDLs Coordinated Shoreline Monitoring Plan," dated April 7, 2004.

^{*} Regional Board staff calculated the rolling 30-day geometric mean values presented.

VIOLATIONS OF RECEIVING WATER LIMITATIONS FOR SUMMER DRY WEATHER PERIODS SEPTEMBER 14, 2006 - OCTOBER 31, 2006 AND APRIL 1, 2007 - OCTOBER 31, 2007 ORDER 01-182 AS AMENDED BY R4-2006-0074 AND R4-2007-0042 SITE ID SMB 6-05, AVENUE I SD

	Si	ngle Sample Re	sult (MPN/100 r	30-day Geometric Mean Result* (MPN/100 ml)					
Date of Violation(s)	Total Coliform Fecal Coliform		Enterococcus	Total Coliform (Fecal:Total Collform Ratio > 0.1)	Total Coliform	Fecal Coliform	Enterococcus		
Basin Plan Limit	2110000	400	104	1000 4	1000	200	35		
10/30/2006		601							
6/25/2007	24912								
8/13/2007				1240					
Total Violations	1	1	. 0	1	0	0	0 .		

Notes: Site ID refers to sites identified in the "Santa Monica Bay Beaches Bacterial TMDLs Coordinated Shoreline Monitoring Plan," dated April 7, 2004.

^{*} Regional Board staff calculated the rolling 30-day geometric mean values presented.

State of California California Regional Water Quality Control Board, Los Angeles Region

RESOLUTION NO. 02-004 January 24, 2002

Amendment to the Water Quality Control Plan (Basin Plan) for the Los Angeles Region to Incorporate a Dry Weather Total Maximum Daily Load for Bacteria at Santa Monica Bay Beaches

WHEREAS, the California Regional Water Quality Control Board, Los Angeles Region, finds that:

- The federal Clean Water Act (CWA) requires the California Regional Water Quality Control
 Board, Los Angeles Region (Regional Board) to develop water quality objectives which are
 sufficient to protect beneficial uses for each water body found within its region.
- 2. A consent decree between the U.S. Environmental Protection Agency (USEPA), Heal the Bay, Inc. and BayKeeper, Inc. was approved on March 22, 1999. This court order directs the USEPA to complete Total Maximum Daily Loads (TMDLs) for all the Los Angeles Region's impaired waters within 13 years. A schedule was established in the consent decree for the completion of 29 TMDLs within 7 years, including completion of a TMDL to reduce bacteria at Santa Monica Bay beaches by March 2002. The remaining TMDLs will be scheduled by Regional Board staff within the 13-year period.
- 3. The elements of a TMDL are described in 40 CFR 130.2 and 130.7 and section 303(d) of the CWA, as well as in USEPA guidance documents (e.g., USEPA, 1991). A TMDL is defined as "the sum of the individual waste load allocations for point sources and load allocations for nonpoint sources and natural background" (40 CFR 130.2). Regulations further stipulate that TMDLs must be set at "levels necessary to attain and maintain the applicable narrative and numeric water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality" (40 CFR 130.7(c)(1)). The provisions in 40 CFR 130.7 also state that TMDLs shall take into account critical conditions for stream flow, loading and water quality parameters.
- 4. Upon establishment of TMDLs by the State or USEPA, the State is required to incorporate the TMDLs along with appropriate implementation measures into the State Water Quality Management Plan (40 CFR 130.6(c)(1), 130.7). The Water Quality Control Plan for the Los Angeles Region (Basin Plan), and applicable statewide plans, serve as the State Water Quality Management Plans governing the watersheds under the jurisdiction of the Regional Board.
- Santa Monica Bay is located in Los Angeles County, California. The proposed TMDL
 addresses documented bacteriological water quality impairments at 44 beaches from the Los
 Angeles/Ventura County line, to the northwest, to Outer Cabrillo Beach, just south of the
 Palos Verdes Peninsula.
- The Regional Board's goal in establishing the above-mentioned TMDL is to reduce the risk of illness associated with swimming in marine waters contaminated with human sewage and

other sources of bacteria. Local and national epidemiological studies compel the conclusion that there is a causal relationship between adverse health effects, such as gastroenteritis, and recreational water quality, as measured by bacteria indicator densities.

- 7. Interested persons and the public have had reasonable opportunity to participate in review of the amendment to the Basin Plan. Efforts to solicit public review and comment include staff presentations to the Santa Monica Bay Restoration Project's Bay Watershed Council and Technical Advisory Committee between May 1999 and October 2001 and creation of a Steering Committee in July 1999 to provide input on scientific and technical components of the TMDL with participation by the Southern California Coastal Water Research Project, City of Los Angeles, County of Los Angeles Department of Public Works, County Sanitation Districts of Los Angeles County, Heal the Bay, and Santa Monica Bay Restoration Project. In addition, a draft of the TMDL for bacteria at Santa Monica Bay beaches was released for public comment on November 9, 2001; a Notice of Hearing and Notice of Filing were published and circulated 45 days preceding Board action; Regional Board staff responded to oral and written comments received from the public; and the Regional Board held a public hearing on January 24, 2002 to consider adoption of the TMDL.
- 8. On October 25, 2001, the Regional Board adopted Resolution 2001-018 establishing revised bacteriological water quality objectives for the Water Contact Recreation (REC-1) beneficial use, and the TMDL is intended to accompany and to implement the revised water quality objectives. While the Regional Board has approved the water quality objective change, the change is not yet effective because the State Water Resources Control Board, the Office of Administrative Law, and the USEPA have not yet approved the revised water quality objective.
- 9. The amendment is consistent with the State Antidegradation Policy (State Board Resolution No. 68-16), in that the changes to water quality objectives (i) consider maximum benefits to the people of the state, (ii) will not unreasonably affect present and anticipated beneficial use of waters, and (iii) will not result in water quality less than that prescribed in policies. Likewise, the amendment is consistent with the federal Antidegradation Policy (40 CFR 131.12).
- 10. The basin planning process has been certified as functionally equivalent to the California Environmental Quality Act requirements for preparing environmental documents (Public Resources Code, Section 21000 et seq.) and as such, the required environmental documentation and CEQA environmental checklist have been prepared.
- 11. The proposed amendment results in no potential for adverse effect (de minimis finding), either individually or cumulatively, on wildlife.
- 12. The regulatory action meets the "Necessity" standard of the Administrative Procedures Act, Government Code, section 11353, subdivision (b).
- 13. The Basin Plan amendment incorporating a TMDL for bacteria at Santa Monica Bay beaches must be submitted for review and approval by the State Water Resources Control Board (State Board), the State Office of Administrative Law (OAL), and the USEPA. The Basin Plan amendment will become effective upon approval by OAL and USEPA. A Notice of Decision will be filed.

THEREFORE, he it resolved that pursuant to Section 13240 and 13242 of the Water Code, the Regional Board hereby amends the Basin Plan as follows:

- 1. Pursuant to sections 13240 and 13242 of the California Water Code, the Regional Board, after considering the entire record, including oral testimony at the hearing, hereby adopts the amendment to Chapter 7 the Water Quality Control Plan for the Los Angeles Region to incorporate the elements of the Santa Monica Bay Beaches Bacteria TMDL for dry weather as set forth in Attachment A hereto.
- 2. The Executive Officer is directed to forward copies of the Basin Plan amendment to the State Board in accordance with the requirements of section 13245 of the California Water Code.
- The Regional Board requests that the State Board approve the Basin Plan amendment in accordance with the requirements of sections 13245 and 13246 of the California Water Code and forward it to OAL and the USEPA.
- 4. The Basin Plan amendment set forth in Attachment A shall only become effective if the water quality objectives revised by Regional Board Resolution 2001-018, or equivalent water quality objectives, have been approved by the State Board, OAL, and USEPA, and are consistent with the TMDL.
- 5. If during its approval process the State Board or OAL determines that minor, non-substantive corrections to the language of the amendment are needed for clarity or consistency; the fixecutive Officer may make such changes, and shall inform the Board of any such changes.
- 6. The Executive Officer is authorized to sign a Certificate of Fee Exemption.

I. Dennis A. Dickerson, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of a resolution adopted by the California Regional Water Quality Control Board, Los Angeles Region, on January 24, 2002.

Dennis A. Dickerson
Executive Officer

Total Maximum Daily Load to Reduce Bacterial Indicator Densities during
Dry Weather at Santa Monica Bay Beaches



Prepared by California Regional Water Quality Control Board, Los Angeles Region



January 14, 2002

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- B "Retrospective Evaluation of Shoreline Water Quality"
- C Santa Monica BayKeeper Inventory of Drains with Potential to Discharge to Beach
- D Historical Rainfall Data at LAX
- E Technical Note: Bacterial and Coliphage Degradation Experiments in Fresh and Marine Water
- F Technical Note: Factors Affecting Dilution of Bacteria between the Storm Drain and Wave Wash
- G Responsible Jurisdictions by Subwatershed
- H Assembly Bill 538, Public beaches: bacteriological standards

Point Dume. Ten to 12 of these are natural creeks or washes; the status of the remaining 330 to 332 discharges is unknown at this time. Within 120 days of the effective date of this TMDL, ROWDs must be filed for these discharges if they have not been already individually reported or if the discharges are not already regulated by the Los Angeles County Municipal Storm Water NPDES Permit or Caltrans Storm Water Permit.

Finally, per the California Ocean Plan, no discharge of waste to an Area of Special Biological Significance (ASBS) is allowed. In the Santa Monica Bay watershed, the area from Latigo Point to Point Mugu (beyond the County line) is designated an ASBS. Therefore, no discharge of waste to the shore is allowed in this region. Santa Monica BayKeeper has identified 271 potential waste discharges to the shore in this area; the status of these is unknown at this time. Within 120 days of the effective date of this TMDL, these discharges must be identified and all illegal discharges eliminated.

8.2 Phased Implementation Schedule

The general implementation schedule includes two phases and is summarized in Table 13.

Phase I: Compliance during Summer Dry Weather. Within three years of the effective date of this TMDL, there may be no exceedances at any location during summer dry weather (April 1 to October 31). This compliance target may be achieved by employing one or more strategies in Table 13 or by any other viable strategies, including diverting storm drain flows to treatment plants (where possible); eliminating illicit discharges; controlling sources of bacteria (including groundwater sources); or implementing "end-of-pipe" treatment. The County of Los Angeles, City of Los Angeles and several other cities adjacent to Santa Monica Bay are well on the way to achieving this goal through aggressive summer, dryweather storm drain diversion programs. Thus far 11 of 27 major storm drains have been diverted and funding is secured for another six to be diverted. This leaves only 10 major drains discharging to Santa Monica Bay beaches during dry weather from April 1 to October 31.

9.2 Compliance Determination

Compliance will be determined by daily or weekly sampling in the wave wash at all major drains and creeks or at existing monitoring stations at beaches without storm drains or freshwater outlets. At all locations, samples must be taken at ankle depth, on an incoming wave, when the tide height is less than +2 feet. If any geometric mean target is exceeded for a rolling 30-day period, or if the number of days exceeding the single sample objectives exceeds the allowable levels set in Table 11 for either of the two time periods of concern, the contributing area and responsible jurisdictions and agencies will be considered out-of-compliance with the TMDL. Once source elimination, treatment or diversion is implemented for a freshwater outlet (i.e., storm drain or creek), and exceedance will only be considered a violation upon sampling confirmation within 24 hours.

9.2.1 Follow-up Monitoring

If a single sample shows the discharge or contributing area to be out of compliance, daily sampling in the wave wash or at the existing open shoreline monitoring location shall be conducted (if it is not already) until all single sample objectives are below the thresholds. Furthermore, if a beach location with a freshwater outlet is out-of-compliance (based on a confirmation sample within 24 hours), responsible jurisdictions and agencies under the LA County MS4 and Caltrans Storm Water Permits will be required to initiate an initial investigation, which may lead to a sanitary survey of the subwatershed(s) per Assembly Bill 538 protocols to more specifically locate the source of the problem, and may wish to conduct compliance monitoring at key municipal boundaries as part of this effort. (See Appendix H for text of Assembly Bill 538.)

If a beach location without a freshwater outlet is out-of-compliance or if the outlet (i.e., storm drain) is diverted, the adjacent municipality, County agency(ies), or State agency(ies) will be responsible for conducting the investigation.

²⁶ The frequency of sampling (i.e., daily versus weekly) will be at the discretion of the implementing agencies. However, the number of sample days that may exceed the objectives will be scaled accordingly (see Table 11).

Table 13, Implementation Schedule

Year	Compliance Point	Implementation Methods
3	No exceedance days from April 1 to October 31	Divert dry weather storm drain flows to treatment plants, where possible Eliminate illicit discharges Control sources of bacteria (including groundwater sources) and/or Implement "end-of-pipe" treatment
3	Re-open TMDL to revise as necessary allowable exceedance days during winter dry weather based on shoreline monitoring data collected in the wave wash, additional data on reference system(s) and a reevaluation of the reference year.	N/A
6	Compliance with allowable winter dry weather exceedance days as set forth in Table 11	Same as above

FW: LFD Status Report for the SMBB

KMcGowan@Geosyntec.com [KMcGowan@Geosyntec.com]

Sent:

Wednesday, March 26, 2008 12:51 PM

To:

Mike.Shay@redondo.org; Dettle, John; rmorgan@hermosabch.org; hbehboodi@hermosabch.org

Attachments: LFD Status Report for NOV 03 04 2008 - Santa Monica Bay Be~1.pdf (16 KB)

FYI, operational data from the county on the low flow diversions.

Kathleen McGowan

Senior Engineer

Geosyntec Consultants

From: Galang, Oliver [mailto:OGALANG@dpw.lacounty.gov]

Sent: Wednesday, March 26, 2008 11:33 AM

To: Jim Arndt; George, Angela

Cc: Hildebrand, Gary; Grant, Terri; Mattar, Ramy; Kathleen McGowan

Subject: RE: LFD Status Report for the SMBB

Jim,

Greetings. As a follow-up to the Ad Hoc Jurisdictional Lead Meeting, and your email request, we are providing the Status Report for County-operated Low Flow Diversions in the Santa Monica Bay Beaches.

If you require additional information, you may contact me at (626) 458-4364.

Regards,

Oliver Galang

North Santa Monica Bay Unit

Watershed Management Division

SANTA MONICA BAY BEACHES STATUS OF LOW FLOW DIVERSIONS JURISDICTIONS 2&3, 5&6

	Group 58.6	SMB88		-	•		***		SMBBB Jurisdictional Group 26:3			·			Jurisdiction
SMB 6-5	1-9 9WS	SMB 5-2	SMB 5-2	SMB 3-7	SWB 3-6	SM8 3-5	SMB 2-15	SMB 2-15	SMB 2-13	SMB 2-11	SMB 2-10	SMB 2-4	SMB 2-2	SMB 2-1	SMB Monitoring Sites
17	258	228	22A	15	13C	130	20B	20A	19A	18	17	5	2	_	TAIDL Drain No.
Avenue I	Heranda Street	Manhattan Beach at 28th Street (The Strand)	Manhattan Beach Pump Plant	Electric Avenue Pump Plant	Rose Avenue (phase 2)	Ashland Avenue (phase 2)	El Segundo Pump Plant	Arena Pump Plant	Pershing Drive, Line C	Westchester	Playa del Rey	Pulga Canyon	Santa Ynez	Parker Mesa/Castlerock	Law Flow Diversion
Project No. 569	Project No. 1105	Project No. 286	Project No. 552	Project No. 507	Project No. 46	Project No. 7401	Project No. 3401	Project No. 3401	Project No. 513, Line C	Project No. 5241	Project No. 513, Line A	Project No. 501	Project No. 674	Parker Mesa Drain	Drain
Intersection of Esplanade & Avenue I, Redondo Beach, CA. 90277	466 1/2 Herondo St. Hermosa Beach, CA. 90254 (down stream of Francisca Avenue)	Strand between 27th & 28th St., Manhattan Beach, CA. 90266	1611 Manhattan Beach Blvd (at Polliwog Park)	314 Brooks Ave, Venice, CA. 90291	300 Rose Ave, Venice, CA. 90291 (Intersection of 5th & Rose)	103 Ashland Ave n\o Neilson Way, Santa Monica, CA. 90405	231 Center St., El Segundo, CA. 90245	199 E. El Segundo Blvď, El Segundo, CA. 90245	Imperial Hwy who Pershing Dr., Playa del Rey, CA. 90045	8184 Vista del Mar, Playa del Rey, CA. 90293	Culver Blvd and Pershing Dr., Los Angeles, CA. 90045	16510 Pacific Coast Highway, Santa Monica, CA. 90272	17310 Sunset Blvd, Pacific Palisades, CA. 90272 (near PCH & Sunset Blvd)	Pacific Coast Highway and Coastline Dr., Los Angeles, CA. 90272	Location
L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	L.A. County	Lead Agency
02/16/06	08/16/05	03/26/07	09/07/04	04/15/01	06/14/05	06/10/06	06/13/06	06/13/06	04/17/06	07/29/04	04/15/01	06/22/04	06/22/06	04/10/07	Completion/ Operational Date
Operational	Operational	Construction	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Construction	Period 1 - F
9/14/06 to 10/31/06	None	N/A	None	None	None	None	9/14/06 to 9/29/06	9/14/06 to 10/03/06	None	None	9/14/06 to 10/31/06	None	None	N/A	Summer Dry Period 1 - From 9/14/06 to 10/31/06 Status Dates Not in Operation
Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Summer Dry-Weather Period 2 -F Operation Status
None	None	4/01/07 TO 04/03/07	None	None	None	4/01/07 to 4/24/07	None	None	None	None	None	4/1/07 To 4/04/07	None	4/1/07 to 4/10/07	ther Period Period 2 - From 4/1/07 to 10/31/07 Status Dates Not in Operation
10 PM to 6 AM	6 PM ta 6 AM	8 PM to 6 AM	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	24 hours	Start/Stop Times
437	12,626	42,298	68,068	405,131	356	238	4,675,000	1,507,968	251	53	Unknown	66	2772	173	in-Line Storage Capacity (Gallons)
60 (limited by CSD)	60 (limited by CSD)	130 (limited by CSD)	50	100	50	90	50	50	120	520	Unknown	130	842	75	operational Data orage Pump Discharge Rate fallons) (GPM)
28,800	43,200	78,000	72,000	144,000	72,000	129,600	72,000	72,000	172,800	748,800	Unknown	187200	1212480	108000	Pump Discharge Rate Daily discharge volume (GPM) (GPD)

Pump Discharge rate is calculated at the design points, actual rates may slightly vary.

Carrier F